



**Network
Control
Center**

**STDN DAILY REPORT
FOR GMT DAYS
02, 03 AND 04 JULY , 2001**

Part I. Operations

02 JULY

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies:

1. SGS/EO1 Support

02/1558-1612Z

EO1 was unable to command the S/C. Problems with Digital matrix at SGS. Because of an AM1 PRT prior to the support. Problem is solved. CDS ID # 19140

STATION EQUIPMENT

11M No Data Loss Declared

03 JULY

A. SN Anomalies:

1. WSGT/ERBS Support

03/0422-0426Z

3 min 4 sec loss due to a late acquisition. RF was present however, the POCC sent 2 forward reacquisitions prior to a chain failover to MR05, the standby chain, which achieved lock. Loop tests were performed on MR02 with no problems found. TTR 23943.

UNKNOWN LATE ACQUISITION

TDE MAF/R2 3 Min. 4 Sec. Svc/Data Loss (Recov)

2. STGT/TERRA Support

03/1905-1956Z

50 minute 45 second forward service loss and a 32 minute 22 second return loss due to an apparent spacecraft misconfiguration. Event began with a negative acquisition with good RF present. Several GCMR's and Forward Reacqs were attempted with no success. A GCMR reconfiguring STGT to DG1 Mode2 (Non-coherent) 16K/16K was transmitted by the CSC and good lock followed. The POCC also reported that they were unable to command their spacecraft during the entire event. The STGT tech reported seeing commands from the POCC at the base-band switch at STGT. The reason why the commands were not being verified by the spacecraft is unknown. TTR 23945.

OPERATOR ERROR

275 SSA2F/R 1 Hour 23 Min, and 7 Sec. Svc/Data Loss (Recov)

B. ISS Anomalies - None.

C. GN Anomalies:

1. SGS/AM-1 Support

03/0729-0739Z

Unstable lock on 512K. Prior to the support SGS ran a PRT. Unstable lock, as usual, on 512, clean on the 16K. During the support the 16K was clean, but the 512 did not lock up properly. We tried to force both the BS#3 and the combiner into lock. Without any success. SGS will continue to troubleshoot this problem. Event Start/Stop : 184/07:29:00 - 184/07:39:00
CDS ID # 19138

ANOMALY UNKNOWN UNDER INVESTIGATION

11M 12 Min. Svc/Data Loss (Non-Recov)

2. AGS/AM-1 Support

03/0857-0910Z

Project could not log into our GSIP Prime. Uplink was not modulated. Terra could not connect to our GSIP 1 Prime, therefore no commands were transmitted to the space craft. AGS had 16K bit sync lock with data flow throughout the pass and was received by the project, however without command capability, the data was not what they were looking for. Also, there was no modulation on the uplink. A resweep was tried but the Mod was not there. This problem is being investigated.
CDS ID # 19138

UNKNOWN UNDER INVESTIGATION

11M 12 Min. Svc/Data Loss (Non-Recov)

04 JULY

A. SN Anomalies:

1. STGT/ERBS Support

04/2032-2036Z

Return loss due to a late acquisition. MAR02 return chain did not acquire at AOS. Spin up chain MAR04 also did not lock. POCC's first attempt at reacquisition was incorrectly sent. Another GCMR locked spin up chain MAR05. Failover restored service. TTR 23946.

LATE ACQUISITION

TDW MAR-2 2032-2100Z 3 Min 51 Secs Svc/Data Loss (Recov)

B. ISS Anomalies - None.

C. GN Anomalies:

1. SGS/EO1 Support

04/1231-1244Z

The S-band data was bad. VC counts showed : VC0 : 2544 / 7 / 10, VC1 : 58696 / 107 / 174, VC2 : 8 / 0 / 0, VC4 : 349 / 1 / 1. At AOS EO1 had some problems locking on uplink. SGS had to resweep. EO1 MOC also reported they had problems

terminating the X-band dump. The reasons for these problems are unknown. CDS ID # 19141

UNKNOWN

11M 12 Mins 34 Secs Data Loss Recoverable Unknown

2. AGS/SNOE Support

04/2007-2018Z

LEO-T system did not pass data to MOC. The LEO-T system was in a joint pass with TOTS and was not able to lock up it's bit syncs. The combiner operation was checked as was the #1 bit sync operation. The bit sync lock up only intermittently. The TOTS operator reported a variance in the elevation pointing angle of 0.8 to 0.9 degrees with the LEO-T. The receive signal level being low because of this variance, would account for this behavior. CDS ID #19142

REASON UNKNOWN

LEO-T 11 Mins Data Loss Recoverable.

Part II. Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities

TITAN IUS B-31 MDR F-1 COMM CHECKS AND DATA FLOW
05/1200-2000Z

WSC MAP GN COMMAND TEST	05/1339-2012Z
ADEOS II ENGINEERING TEST WITH WPS	05/1500-1600Z
STS-104 SN VECTOR VERIF. TEST 3201	05/1631-1731Z
TILT U.S. COAST GUARD EXPEDITION Part V. Launch Forecast Changes	05/1400-1800Z